				JC11_Rec'd PCT/PTO SEP 2 6 2	
FORM PTO-1390 (REV. 10-2000)		PARTMENT OF COMITENT AND TRADEMARK (MERCE OFFICE	ATTORNEY CKET NUMBER 20430P	
TRANSMITT	AL LETTER	TO THE UNITED STA	TES		
DESIGNAT	FED/ELECTI	ED OFFICE (DO/EO/U	S)	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)	
		NG UNDER 35 U.S.C. 3		09/937499	
	PPLICATION NO.	INTERNATIONAL FILING DA	TE	PRIORITY DATE CLAIMED	
PCT/US00/09587 TITLE OF INVENTION	N. I	10 April 2000		14 April 1999	
		D POTASSIUM CHANNEL			
APPLICANT(S) FOR		DIOTASSIUM CHANNEL			
II .		key, Wen Li and Michael L. M	letzker		
-	h submits to the			fice (DO/EO/US) the following items and	
		of items concerning a filing u	ndon 25 I	ISC 271	
1				rning a filing under 35 U.S.C. 371.	
3. This is an edelay examed and 39(1).	express request to nination until the o	begin national examination prexpiration of the applicable tin	ocedures ne limit s	s [35 U.S.C. 371(f)] at any time rather than et in 35 U.S.C. 371(b) and PCT Articles 22	
of the 19th	Demand for Internation month from the e	ational Preliminary Examination arliest claimed priority date (F	on was m CT Artic	nade and the US was elected by the expiration cle 31).	
5. X A copy of	the International A	Application as filed [35 U.S.C.	371(c)(2	2)].	
a. 🗌 is at	tached hereto (rec	uired only if not communicate	d by the	International Bureau).	
b. has	been communicat	ed by the International Bureau	•		
a. ☐ is at b. ☐ has c. ☒ is no	ot required, as the	application was filed in the Un	nited Star	tes Receiving Office (RO/US).	
	language transla	ion of the International Applic	ation as	filed [35 U.S.C. 371(c)(2)].	
; —				CT Article 19 [35 U.S.C. 371(c)(3)].	
a. are a	attached hereto (re	quired only if not communica	ted by the	e International Bureau).	
		ted by the International Burea			
. —			ting such	amendments has NOT expired.	
d have	not been made a	nd will not be made.			
				der PCT Article 19 [35 U.S.C. 371(c)(3)].	
9. X An oath or	declaration of the	inventor(s) [35 U.S.C. 371(c)	(4)].		
10. An English Article 36 [language translate 35 U.S.C. 371(c)	on of the annexes to the Intern [5]].	national I	Preliminary Examination Report under PCT	
Items 11 to 16 belo	w concern other	document(s) or information	included	l :	
11. An Informa	tion Disclosure Si	atement under 37 CFR 1.97 a	nd 1.98.		
12. An assignm is included.	ent document for	recording. A separate cover s	heet in co	ompliance with 37 CFR 3.28 and 3.31	
13. A FIRST p	reliminary amend	ment.		EXPRESS MAIL-CERTIFICATE	
A SECONI	O or SUBSEQUE	NT preliminary amendment.		OF DEPOSIT OUT SULCO	
	specification.		i	HEREBY CERTIFY THAT THIS CORRESPONDENCE	
15. A change of	f power of attorne	y and/or address letter.		EING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS EXPRESS MAIL "POST OFFICE TO	
16. Other items	Other items or information: ADDRESSEE" BEFORE 5 P.M. ON THE ABOVE DATE IN				

MAILED BY . DATE_

AN ENVELOPE ADDRESSED TO ASSISTANT COMMISSIONER

U.S. APPLICATION NO. (If kno	937499 PCT/US0	0/20430		20430P	EK
17. X The following				CALCULATIONS	PTO USE ONLY
BASIC NATIONAL FEE Neither internations	[37 CFR 1.492(a)(1)-(5)]: al preliminary examination fee	e (37 CFR 1.482)			
nor international se	earch fee [37 CFR 1.445(a)(2)]	paid to USPTO			
International prelim	earch Report not prepared by ninary examination fee (37 CF tional Search Report prepared	R 1.482) not paid to			
International prelim	ninary examination fee (37 CF	R 1.482) not paid to			
International prelim	tional search fee [37 CFR 1.4 ninary examination fee paid to ot satisfy provisions of PCT A	USPTO (37 CFR 1.482)		
International prelim	ninary examination fee paid to as satisfied provisions of PCT	USPTO (37 CFR			
		RIATE BASIC FEE		= \$100.00	
Surcharge of \$130.00 for months from the earlies	or furnishing the oath or de t claimed priority date [37	claration later than CFR 1.492(e)].	20 30	\$0.00	
Claims	Number Filed	Number Extra	Rate		
Total Claims	21 - 20 =	1	X \$18.00	\$18.00	
Independent Claims	12 - 3 =	9	X \$80.00	\$720.00	
Multiple dependent clai	m(s) (if applicable)	0	+ \$270.00	\$0.00	
		OF ABOVE CALC		= \$838.00	
Applicant claims so above are reduced	mall entity status. See 37 C by 1/2.	CFR 1.27. The fees in	dicated		
		S	UBTOTAL	= \$838.00	
	00 for furnishing the Englis earliest claimed priority da		n 20	+ \$0.00	
		TOTAL NATI	ONAL FEE	= \$838.00	
Fee for recording the en accompanied by an appr	closed assignment [37 CFF copriate cover sheet (37 CF	R 1.21(h)]. The assign R 3.28, 3.31). \$40.00	ment must be per property.	+	
		TOTAL FEES I	ENCLOSED :	= \$838.00	
				Amount to be refunded	
				charged	
a. A check in the	amount of \$	to cover the above fee	es is enclosed.		
b. Please charge A duplicate co	my Deposit Account No. 1	3-2755 in the amount l.	of \$838.00	to cover the above	e fees.
c. The Commission overpayment to	ioner is hereby authorized to the Deposit Account No.	o charge any addition 13-2755. A duplicate	al fees which m	hay be required, or credinget is enclosed.	t any
NOTE: Where an ap	propriate time limit unde	r 37 CFR 1.494 or 1.	495 has not be	een met, a petition to r	evive
SEND ALL CORRESP	b)] must be filed and grain PONDENCE TO:	nted to restore the ap	plication to pe	ending status.	
MERCK & CO., INC.		(7 10	Comola	
Patent Department, RY	760-30	<u>√</u>	Joseph 4	allon	
P.O. Box 2000 126 East Lincoln Aven	ue	\mathcal{O}	ONAYI UKE	•	
Rahway, New Jersey 0	7065-0970	Jos	seph A. Coppol	a	
DATE: 92601			AME		-
PHONE #: (732) 594-	6734		.413 EGISTRATION	INIMRED	
		KI	TOTO I KALION	THUMBER	

FEE TRANSMI	TPARE	/
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ENTATRADE

Patent fees are subject to annual reconstruction.

TOTAL AMOUNT OF PAYMENT

Con	mplete if Known O.1 FEB			
Application Number	09/937,499			
Filing Date	September 26, 2001			
First Named Inventor	Petrukhin, et al.			
Examiner Name				
Group Art Unit				
Attorney Docket Number	20430P			

	METHOD OF PAYMENT (Check one)						FEE CALCULATION (continued)			
	1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:				3. ADDITIONAL FEES					
		Number		13-275	5		Large Fee Code	Fee	Fee Description	Fee Paid
		Name	Account	Merck & Co	o., Inc.		105	130	Surcharge - late filing fee or oath	130
	ĺ		arge Any A CFR 1.16 a	dditional Fee Required Und 1.17	Under		147	2,520	For filing a request for reexamination	
	2.	Pay	yment Enclo	sed:			115	110	Extension for reply within first month	
			Check	Money Orde	er Othe	ег	116	400	Extension for reply within second month	
			FF	EE CALCULATION		****	117	920	Extension for reply within third month	
	1. B	SASIC	FILING				118	1,440	Extension for reply within fourth month	
	Larg		tity				128	1,960	Extension for reply within fifth month	
	Fee Cod		ee \$)	Fee Description	F	Fee Paid	119	320	Notice of Appeal	
	101	74		tility filing fee			120	320	Filing a brief in support of an appeal	
	106	33		esign filing fee			121	280	Request for oral hearing	
	108	74		eissue filing fee	 		140	110	Petition to revive - unavoidable	
	114	16		ovisional filing fee			141	1,280	Petition to revive - unintentional	
02/12/			00000062				142	1,280	Utility issue fee (or reissue)	
01 FC			30.00 CH	SUBTOTAL(1)		\$0	143	460	Design issue fee	
Ì	2. E	XTRA	CLAIM	FEES		, ,,,,	122	130	Petitions to the Commissioner	
				Extra	Fee from below	Fee Paid	123	50	Petitions related to provisional applications	
	Inde	Claims pendent		20 ** = 0	x \$18 = x \$84 =	0	126	180	Submission of Information Disclosure Statement	
		laims ple Dep	pendent Cla		\$280 =		581	40	Recording each patent assignment per property (times number of properties)	
	**or n Larg			iid, if greater; For Reissu	ues, see below	v	146	740	Filing a submission after final rejection (37 CFR 1.129(a))	
	Fee Code 103		3)	Fee Description aims in excess of 20			149	740	For each additional invention to be examined (37 CFR 1.129(b))	
	102	84	4 Inc	dependent claims in exce	ess of 3		179	740	Request for Continued Examination	
	104	280	0 Мі	ultiple dependent claim,	if not paid				(RCE)	
	109	84	4 **]	Reissue independent clai	ims over orig	inal patent	Other fee	(specify)		
	110	18		Reissue claims in excess tent	of 20 and o	ver original	Other fee	(specify)		
				SUBTOTAL(2)		\$0			SUBTOTAL(3)	\$130

SUBMITTED BY					Complete (if applicable)	
Typed or Printed Name	Joseph A. Coppola					
Signature	Joseph a Coppole	Date	14 JAN, 2002	Deposit Account User ID		

· Application Number:	09/937,499 PE
Filing Date:	09/26/2001
First Named Inventor:	Petrukhin, et al.
Group Art Unit:	TRADEMENTS.
Examiner Name:	
Attorney Docket Number:	20430P

FIRST CLASS MAIL CERTIFICATE

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231, ON THE DATE APPEARING BELOW.

MERCK & CO., INC.

MAILED BY

DATE